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## TRANSMITTAL LETTER TO THE UNITED STATES

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DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

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09/868426

INTERNATIONAL APPLICATION NO.  
PCT/US99/30632INTERNATIONAL FILING DATE  
22December1999 (22.12.99)PRIORITY DATE CLAIMED  
28December1998 (28.12.98)

## TITLE OF INVENTION

METHOD FOR OPERATING A VIDEO PROCESSING APPARATUS VIA AN ELECTRONIC  
MAIL MESSAGE

## APPLICANT(S) FOR DO/EO/US

Anthony Edward Stuart and Hugh Boyd Morrison

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210). ATTACHED TO ITEM 13
8. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

## Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. with references attached
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☒ Certificate of Mailing by Express Mail 20. Return postcard receipt

~~20. X X X X X~~ Other items or information:**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

EL685391297US

June 15, 2001

"Express Mail" mailing no.

Date of Deposit

I hereby certify that this application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Davida Fornarotto

Typed or printed name of person  
mailing application

*Davida Fornarotto*  
Signature of person mailing  
application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anthony Edward Stuart and Hugh Boyd Morrison  
Filed : Herewith  
For : METHOD FOR OPERATING A VIDEO PROCESSING  
APPARATUS VIA AN ELECTRONIC MAIL MESSAGE

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Sir:

In the US national phase application of PCT/US99/30632 filed  
herewith, please enter the following amendments:

IN THE SPECIFICATION:

Please amend the specification as follows:

On Page 1 (which is the annex of the International Preliminary  
Examination Report), line 3, insert the following paragraph:

-- This application claims the benefit of U.S. provisional  
application serial no. 60/114,076 filed December 28, 1998, which is hereby  
incorporated herein by reference, and which claims the benefit under 35  
U.S.C. § 365 of International Application PCT/US99/30632, filed December  
22, 1999, which was published in accordance with PCT Article 21(2) on July  
6, 2000 in English.--

IN THE CLAIMS:

Please amend claims 1 and 2 (which are from the annexes of  
the International Preliminary Examination Report) as follows. (A marked-up  
version of the amended claims is attached herewith.) Claims 3-8 (from the  
annexes) are enclosed for your convenience

1. (AMENDED) A method for operating a video processing apparatus, comprising the steps of:

receiving an electronic message remotely, said electronic message comprising information relating to time and channel data of a selected event;  
processing said electronic message in said video processing apparatus to determine said time and channel of the selected event; and  
forwarding another electronic message if there is a conflict between said time and channel data and a preexisting timer event.

2. (AMENDED) A method for operating a video processing apparatus, comprising the steps of:

receiving a message directly from a user in email format including sender, subject and control information;  
processing, in said video processing apparatus, said message to determine said control information; and  
operating said video processing apparatus in response to said control information.

3. The method of Claim 2 wherein said control information comprises at least a password, channel data and time data.

4. The method of Claim 3 further comprising the step of evaluating said password for user verification and wherein said step of operating comprises turning on said video processing apparatus at the desired time and selecting a program in response to said time and channel data.

5. The method of Claim 2 wherein said control information further comprises a recording command and said step of operating comprises controlling a video recording device, interconnected thereto, to record a program associated with said time and channel data.

6. The method of Claim 5 wherein said step of controlling comprises programming an event timer, associated with said video recording device, using said time and channel data.

7. The method of Claim 2 wherein said control information comprises program data.

8. The method of Claim 7 further comprising passing said program data to the electronic program guide to determine the time and channel information associated with said program data, said program data corresponding to a program listed in said electronic program guide.

#### IN THE ABSTRACT:

Please add the following Abstract.

-- A video processing apparatus receives an electronic message comprising control information, via the Internet from a device interconnected thereto. The message includes control information, which is used by the video processing apparatus to control an operating mode thereof. The control information may include both time and channel data as well as a recording command for programming a timer. The message may contain a password, which is used to verify the authenticity of the message. Alternately, the control information may only include program data, which is passed to the electronic program guide to determine the time and channel information associated with the program data. --

#### REMARKS

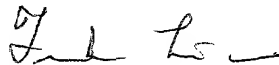
The specification has been amended to include a reference to the priority applications.

Claims 1 and 2 have been amended to remove reference indicia.

To meet the requirements of the United States, the Abstract (as originally filed in the PCT application) is added.

No fee is believed to have been incurred by virtue of this amendment. However if a fee is incurred on the basis of this amendment, please charge such fee against deposit account 07-0832

Respectfully submitted,  
Anthony Edward Stuart  
Hugh Boyd Morrison



Frank Y. Liao  
Attorney for Applicant  
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609/734-9497

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Patent Operation  
PO Box 5312  
Princeton, NJ 08543-5312

June 14, 2001

MARKED UP VERSION OF THE AMENDED CLAIMS

Claims 1 and 2 only. Claims 3-8 have not been amended.

1. (AMENDED) A method for operating a video processing apparatus, comprising the steps of:

receiving [(302)] an electronic message remotely, said electronic message comprising information relating to time and channel data of a selected event;

processing [(314)] said electronic message in said video processing apparatus to determine said time and channel of the selected event; and

forwarding [(318)] another electronic message if there is a conflict between said time and channel data and a preexisting timer event.

2. (AMENDED) A method for operating a video processing apparatus, comprising the steps of:

receiving [(302)] a message directly from a user in email format including sender, subject and control information;

processing [(304;308;310)], in said video processing apparatus, said message to determine said control information; and

operating [(316)] said video processing apparatus in response to said control information.

## **METHOD FOR OPERATING A VIDEO PROCESSING APPARATUS VIA AN ELECTRONIC MAIL MESSAGE**

### **FIELD OF INVENTION**

5 This invention generally relates to a method for operating a video processing apparatus using an electronic mail message for providing control information.

### **BACKGROUND OF INVENTION**

10 Electronic Program Guides (EPGs) allow viewers to select any channel at any time during some period into the future, e.g., up to seven days forward. Once a particular program is selected, for example, by highlighting, the viewer can perform functions pertaining to that selected program. For instance, the viewer could instantly switch to that program if it is currently being aired.  
15 Viewers could also program one touch video cassette recording (VCR) or the like if the television is properly configured and connected to a recording device.

Although electronic program guides provide a convenient control interface, the use of EPGs is limited to situations where a user is present to view and interact with the EPG. There is consequently a need in the art for a  
20 convenient way to permit operation of a video processing apparatus remotely using an electronic mail message to provide the control information that is necessary for operating the apparatus.

### **SUMMARY OF THE INVENTION**

25 The present invention resides, in part, in recognition of the described problem and, in part, in providing a solution to the problem. The present invention provides a convenient way of incorporating into an electronic message, control information that may be used to operate a video processing apparatus, such as a television receiver, a video recording device (e.g., VCR), a satellite receiver,  
30 digital video disk (DVD), a set-top box or the like. The present invention links the traditional functions of a video processing apparatus with those of a personal computer, particularly, electronic communication via the Internet to achieve the solution. Employing this invention with an intranet, local network, or the like is within the scope of the present invention.

Generally, the present invention defines a method for operating a video processing apparatus. The method comprises receiving an electronic mail message via the Internet from a device interconnected thereto, said message comprising control information; processing, in said video processing apparatus, said message to determine said control information; and operating said video processing apparatus in response to said control information.

In accordance with one aspect of the present invention, in response to verifying a password contained in the message, the video processing apparatus is turned on at the desired time and a program is selected in response to said time and channel data.

In accordance with another aspect of the present invention, the control information comprises a recording command that controls a videorecording device, interconnected thereto, to record a program associated with time and channel data. Particularly, the step of controlling comprises programming an event timer, associated with said video recording device, using said time and channel data.

In accordance with yet another aspect of the present invention, control information comprises a recording command and program data. The program data is passed to the electronic program guide to determine the time and channel information associated with the program data.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows an example of a television system in accordance with the present invention;

Fig. 2 shows an example of a digital video processing apparatus in accordance with the present invention;

Fig. 3 is a software flow chart in accordance with the present invention;

Fig. 4 shows an EPG menu according to an embodiment of the present invention; and

Fig. 5 shows an electronic message according to an implementation of the present invention.



### DETAILED DESCRIPTION

The television receiver shown in Fig. 1 is capable of processing both analog NTSC television signals and Internet information. Descriptions of the remaining well-known functions of the television receiver shown in Figure 1 are not provided except where necessary for understanding the present invention. Tuner 1105 and IF processor 1130 operate in a conventional manner for tuning and demodulating a particular television signal that is included in signal RF\_IN. The system shown in FIG. 1 also includes a main microprocessor 1110 for controlling components of the television receiver such as tuner 1105, picture-in-picture processing unit 1140, video signal processor 1155, and Gemstar® data processing module 1160.

Main microprocessor 1110 also controls the operation of a communications interface unit 1113 for providing the capability to upload and download information to and from the Internet. Communication interface unit 1113 includes, for example, a modem for connecting to an Internet service provider, e.g., via a telephone line or via a cable television line. The communication capability allows the system shown in Figure 1 to provide electronic message capability and Internet related features such as web browsing in addition to receiving television programming. CPU 1112 controls functions included within microprocessor 1110, for example, auxiliary data processor 1115 and on-screen display (OSD) processor 1117. Auxiliary data processor 1115 extracts auxiliary data such as Gemstar® data from video signal PIPV.

Gemstar® data, which provides program guide data (e.g., EPG) information in a known format, is typically received only on a particular television channel and the television receiver must tune that channel to extract Gemstar® data usually during a time period when the television receiver is typically not in use (e.g., 2:00 AM). At that time, CPU 1112 configures decoder 1115 such that auxiliary data is extracted from horizontal line intervals such as line 16 that are used for Gemstar® data. For an EPG display, the display data included in the EPG display is produced by OSD processor 1117 and included in the output signal by VSP 1155 in response to fast switch signal FSW.

An exemplary embodiment of the features of the system shown in FIG. 1 that have been described thus far comprises an ST9296 microprocessor produced by SGS-Thomson Microelectronics; an M65616 picture-in-picture

processor produced by Mitsubishi; and an LA7612 video signal processor produced by Sanyo.

Figure 2 is an MPEG compatible system for receiving MPEG encoded transport streams representing broadcast programs and is also capable of processing Internet information, including electronic messages. User interface systems are also applicable to other types of digital signal processing devices including non-MPEG compatible systems, involving other types of encoded datastreams (e.g., digital video disc (DVD) systems). The exemplary system described below is described as processing broadcast programs. The term 'program' is used to represent any form of packetized data such as telephone messages, computer programs, Internet data, audio presentations (e.g., from a remote source or from a local source), visual presentations, audiovisual presentations (e.g., from a remote source or a local source), or other communications. Descriptions of the remaining well-known functions of the television receiver shown in Figure 2 are not provided except where necessary for understanding the present invention.

A carrier modulated with video data is received by antenna 10 and processed by input processor unit 15. The resultant digital output signal is demodulated by demodulator 20 and decoded by decoder 30. The output from decoder 30 is processed by transport system 25, which provides compressed data outputs for storage, further decoding, or communication to other devices. Video and audio decoders 85 and 80 respectively, decode the compressed data from system 25 to provide outputs for display.

The data provided to mux 37 from selector 35 is in the form of an MPEG compliant packetized transport datastream as defined in MPEG systems standard section 2.4 and includes program guide information and the data content of one or more program channels. Packet Identifiers (PIDs) identify the individual packets that comprise particular program channels. The transport stream contains Program Specific Information (PSI) for use in identifying the PIDs and assembling individual data packets to recover the content of all the program channels that comprise the packetized datastream. Transport system 25, under the control of the system controller 115, acquires and collates program guide information from the input transport stream, storage device 90 or an Internet service provider via the communication interface unit 116. The individual packets that comprise either particular program channel content or Program Guide

information, are identified by their Packet Identifiers (PIDs) contained within header information

The user interface incorporated in the video receiver shown in Figure 2 enables a user to activate various features by selecting a desired feature from an on-screen display (OSD) menu, for example, an electronic program guide (EPG).

Packets received by decoder 55 from units 45 and 50 that contain program content including audio, video, caption, and other information, are directed by unit 65 from decoder 55 to the designated application device buffers in packet buffer 60. Application control unit 70 sequentially retrieves the audio, video, caption and other data from the designated buffers in buffer 60 and provides the data to audio and video decoders 80 and 85 and high speed data port 75.

In addition, controller 115 is coupled to a communication interface unit 116 that operates in a manner similar to interface unit 1113 of Figure 1. That is, unit 116 provides the capability to upload and download information to and from the Internet. Communication interface unit 116 includes, for example, a modem for connecting to an Internet service provider, e.g., via a telephone line or via a cable television line. The communication capability allows the system shown in Figure 2 to provide electronic message capability and Internet related features such as web browsing in addition to receiving television programming.

Fig. 3 is a software flow chart of an exemplary program which, according to the present invention, may be executed by controller 1110 of Fig. 1, controller 115 of Fig. 2, or any other suitably programmed control arrangement of an electronic host device. The term "electronic host device" as used herein is not limited to television receivers, video recording devices, digital video disks, or set-top boxes, but rather encompasses hybrids thereof (e.g., PCTVs), satellite television and/or data signal converters, program guide receiver units, and the like, regardless of whether incorporated into a television receiver or personal computer or connected externally thereto.

The exemplary program 300, when executed, facilitates processing of received electronic messages, as well as electronic linking of electronic messages to programming information. The exemplary program will be described below only with respect to the exemplary hardware implementation of an electronic host device shown in Fig. 1.

According to the exemplary program, the microprocessor 1110 initially executes program 300 in response to receiving an electronic message 302. Optional Steps 304 and 306 check for a proper password contained in or associated with the message and if not proper then microprocessor 1110 initiates the generation of an appropriate reply message. A determination of whether the electronic message pertains to setting up a future recording event or initiating an automatic turn-on of the device at a defined time is performed in Step 308. An appropriate timer in the "record" or "power-on" schedulers is initialized during Steps 310 and 312. At Step 314, the electronic message is checked to determine whether channel and time information is provided. If provided, the appropriate scheduler is programmed and a reply message is forwarded to the sender in Steps 316 and 318.

If the electronic message does not include channel and time information, then the message is searched, in Step 320, to determine whether any program information, such as, program name, is provided. If such information is not provided then microprocessor 1110 initiates the generation of an appropriate reply message in Step 322. If program information is provided, microprocessor 1110 initiates a search of the electronic program guide in Step 324 to determine all programs satisfying the criteria (program information). If a program is not located that satisfies the search criteria then an appropriate message is forwarded to the user at Step 322. If a program is located during Step 324, then the corresponding channel and time information is programmed into the appropriate scheduler in Step 316 and similarly, the user is notified in Step 318.

In accordance with the present invention, a user sends an electronic message to his/her video processing apparatus (e.g., television receiver). The electronic message encompasses traditional electronic mail (E-mail) messages, electronic instant messages (such as those available for AOL<sup>®</sup> users). Additionally, this invention may encompass the use of telephony in conjunction with a caller-ID function as the vehicle for the message. The electronic message comprises control information for operating the video processing apparatus. The address of the television may be, for example, TV@RCA.com. The user assigns a unique password to the television, which can be used to verify the origin of the message. That is, to prevent the accidental control of another's television.

Now, by sending an electronic message to the television, a user can remotely control the television. For example, via an electronic message sent perhaps from the office, the user can "program" the television to turn-on and select a certain program at a desired time. That way, a user can program his television to turn-on and select the evening news at six o'clock so that upon entering his home the news will be on. Another example would be to permit a user to set up a recording event from a remote location. For example, if the user forgot to program his VCR prior to leaving his home then by sending an electronic message the user can set up the desired recording.

Such a recording may be achieved by either directly programming a timer in a recording device or by setting-up a "one-touch" recording in a television receiver. If the message is sent directly to a recording device, the message should include the necessary time and channel information that is required to program a timer. If the message is sent to the television receiver, or any other video processing apparatus that is capable of receiving and processing an electronic program guide, then the message may only contain program information, for example, the name of the program. In such a situation, the electronic program guide may be searched for a program that satisfies the criteria (i.e., the program information). The necessary time and channel information can be determined via the electronic program guide.

Requesting a recording may create a conflict with a pre-existing programmed event in a video recording apparatus. In such a situation, the latest event could take priority or a return message could be sent to the user advising of the conflict and providing the user an opportunity to resolve the conflict. The conflict could be resolved, perhaps, by overriding the pre-existing programmed event or by canceling the requested recording

The context of the message may include a password, channel number, start and stop times, date and tape speed. Using a consistent subject header, for example "RECORD", the video processing apparatus could determine whether a particular incoming electronic message contained control information. In addition, use of any consistent structure for the message, for example, a specific field which includes the word "RECORDING", could be utilized. Further, a dedicated web-site may be utilized to assist the user in constructing a proper message. An advantage of a dedicated web-site would be the ability to send a secure (i.e., encrypted) electronic message. This would remove the possibility of

accidentally programming someone else's video processing apparatus. Further, a password may be used to verify that the message is from the user. That is, to avoid the possibility of responding to a message from someone not authorized.

A typical EPG menu 400 is shown in Figure 4. The menu 400 includes a "grid guide" 400A which, shows a program schedule in a time-and-channel format, similar to a TV schedule listed in a newspaper. In the menu 400, each of the program identifiers (e.g., channel numbers 410-416, channel station names 420-426, web-site identifier 470, Internet identifier 450, electronic message identifier 460, and the like) is selectable by a user to implement respective ones of the programs. When the selected program identifier is associated with an audio program, video program, or audiovisual program, the controller 1110 responds by tuning the electronic host device or an associated receiver to the appropriate channel and by displaying and/or audibly broadcasting that program.

An electronic message display 500 is shown in Figure 5. The electronic message display 500 includes at least the following information: SENDER 502, SUBJECT 506 (for identifying the type of message, i.e., RECORD), and a message portion 508. As described above, the message portion 508 may contain the time and channel information of a specific program or may contain program information.

The program information may merely be the name of the program or may include more detailed information, for example, program start time, program end time, program duration; the channel via which the program is transmitted, and characteristic information, and combinations thereof. Examples of the characteristic information include program title, program theme, program category, program keywords, a program description, program type (e.g. audio, video, audiovisual, computer, Internet, and the like), and program repeat frequency (e.g., once per week, daily, etc.).

Controller 1110, in the exemplary embodiment of Figure 1, receives the electronic message via communication interface 1113 from the Internet. Preferably, this message includes enough information about the program of interest that the intended action can be carried out.

The electronic message receiver and/or program-implementing device (e.g., a device of the type shown in Figures 1 and 2) responds to the received message by automatically tuning to that program if it is currently being

aired, automatically tuning to the program in the future if it has yet to be aired and is scheduled for broadcast at a later time (e.g., by setting an appropriate timer or the like), or automatically recording of the program.

As demonstrated above, the interface of the present invention is particularly well suited for use in connection with an electronic program guide (EPG). The electronic program guide (EPG) in this regard may constitute all or a portion of the menu 400.

Preferably, the television-encompassing version of the host device shown in Figure 1 is associated with a recording device (not shown) and the selector is actuatable to effect recording of the television program when the electronic message indicates that the user requests a recording.

While the present invention finds much usefulness in the realm of electronic host devices, which are connected to or defined by a television set, the present invention is not limited to such electronic host devices. The present invention may be implemented, for example, with a computer as the electronic host device. It is to be understood that the embodiments and variations shown and described herein are for illustrations only and that those skilled in the art may implement various modifications without departing from the scope and spirit of the invention.

## CLAIMS

1. A method for operating a video processing apparatus comprising the steps of:

receiving an electronic message via the Internet from a device  
interconnected thereto, said message comprising control information;  
processing, in said video processing apparatus, said message to determine  
said control information; and  
operating said video processing apparatus in response to said control  
information.

2. The method of Claim 1 wherein said control information comprises at  
least a password, channel data and time data.

3. The method of Claim 2 further comprising the step of evaluating said  
password for user verification and wherein said step of operating comprises  
turning on said video processing apparatus at the desired time and selecting a  
program in response to said time and channel data.

4. The method of Claim 1 wherein said electronic message comprises one  
of an electronic mail message and an electronic instant message.

5. The method of Claim 2 wherein said control information further comprises a  
recording command and said step of operating comprises controlling a video  
recording device, interconnected thereto, to record a program associated with  
said time and channel data.

6. The method of Claim 5 wherein said step of controlling comprises  
programming an event timer, associated with said video recording device, using  
said time and channel data.

7. The method of Claim 6 further comprising forwarding a message  
indicating the existence of a conflict exists between said time and channel data  
and a preexisting timer event.



8. The method of Claim 2 wherein said control information comprises program data.

5 9. The method of Claim 8 further comprising passing said program data to the electronic program guide to determine the time and channel information associated with said program data, said program data corresponding to a program listed in said electronic program guide.

FIG. 1 is a block diagram of a system for providing program data to an electronic program guide. The system includes a control unit 100, a program data source 110, and an electronic program guide 120. The control unit 100 is connected to the program data source 110 and the electronic program guide 120. The program data source 110 provides program data to the control unit 100. The control unit 100 passes the program data to the electronic program guide 120, which determines the time and channel information associated with the program data. The program data corresponds to a program listed in the electronic program guide.

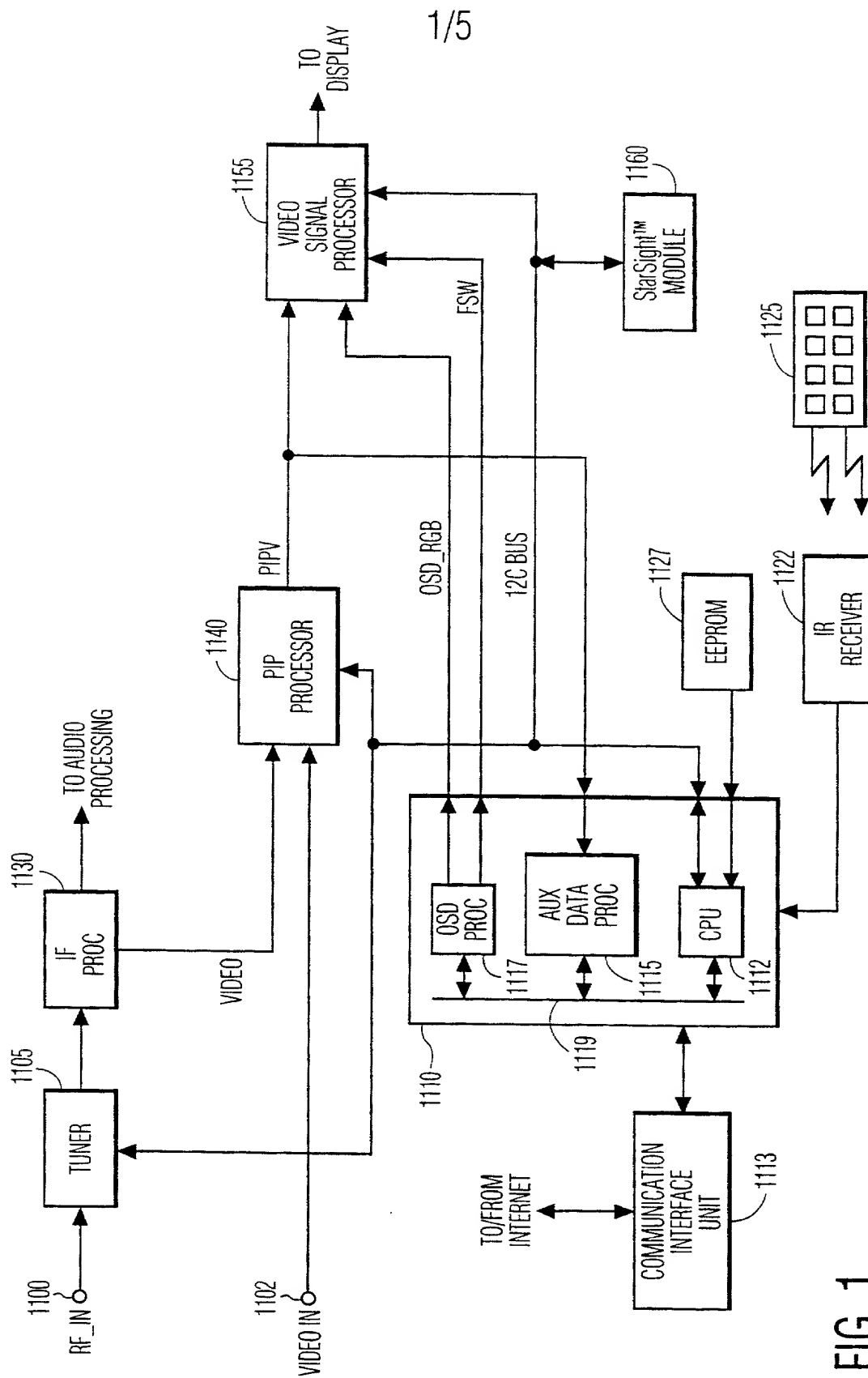


FIG. 1



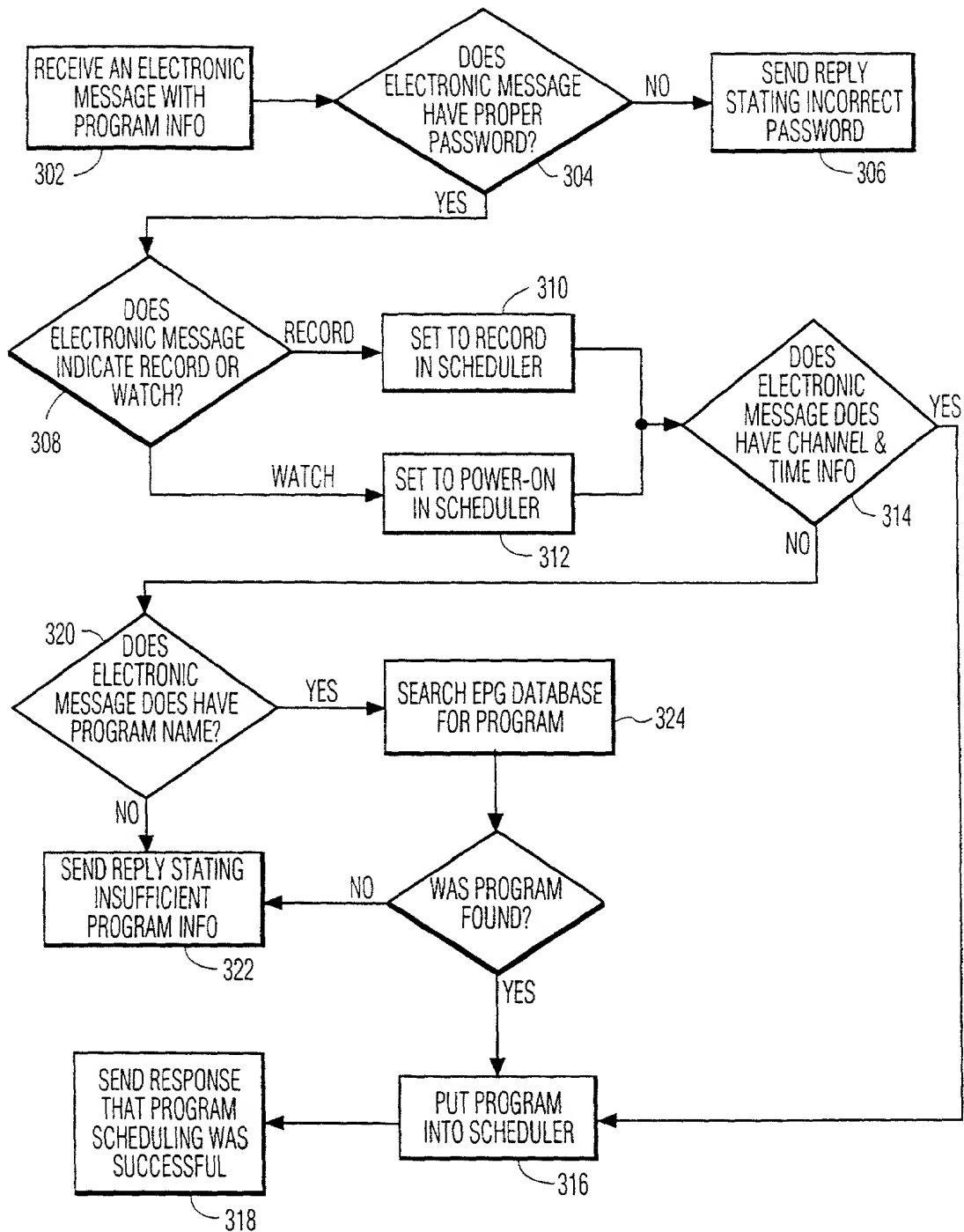


FIG. 3

4/5

400

PROGRAM GUIDE		TUESDAY 7/22/97		470		450	
INSIDE WORLD POLITICS		FAMILY		INTERNET		EMAIL	
7/22	5:00PM	5:30PM	6:00PM	6:30PM	401		
202	CNN	WORLDVIEW	MONEYLINE	CROSSFIRE	460		
206	ESPN	UP CLOSE	ESPN.COM	UP CLOSE	430		
213	HSN	GARDEN...	BUYER'S M...	SHOWCASE	400A		
253	USA	RENEGADE	WINGS	WINGS			
275	CNBC	BUSINESS...	MONEY CL...	INSIDE W...			
910	HBO	APOLLO 13		HOLLYWOOD...			
966	MTV	SINGLED OUT	COUNTDOWN	BEAVIS & ...			
410	420	421	422	423	424	425	426
411	412	413	414	415	416	417	418
419	420	421	422	423	424	425	426

400A

430

460

401

470



450

400

FIG. 4

5/5

500

		 Just Shoot Me. TONIGHT AT 7PM CLICK HERE TO TUNE/SETUP RECORD			
ANTHONY	GO BACK	SAVE	DELETE	FORWARD	
GET • SEND	REPLY	REPLY TO ALL	PRINT	SENDER	
READ	FROM: ANTHONY 502				
WRITE	Cc: DATE: 6/12/98, 12:06PM				
	SUBJECT: RECORD 506				
ADDRESSES	PASSWORD: NIPPER				
FOLDERS	206				
OPTIONS	7PM				
	7:30PM				
	6/12/99				
	SP				
VIEW ADS	PRESS ENTER TO GO BACK TO THE PREVIOUS SCREEN				

508

FIG. 5

Please type a plus sign (+) inside this box → +

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>	<b>Attorney Docket Number</b> RCA 89186	
	<b>First Named Inventor</b> Anthony Edward Stuart et al.	
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
<input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)))	<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD FOR OPERATING A VIDEO PROCESSING APPARATUS VIA AN ELECTRONIC MAIL MESSAGE**

the specification of which (Title of the Invention)

- ☐ is attached hereto  
OR  
☒ was filed on

December 22, 1999

as United States Application Number or PCT International

Application Number PCT/US99/30632 and was amended on (MM/DD/YYYY) January 22, 2001 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above:

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign		Foreign Filing Date	Priority	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
US 60/114,076	December 28, 1998	

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label <input type="text"/>		OR <input checked="" type="checkbox"/> Correspondence address below	
Name <u>Mr. Joseph S. Tripoli - Patent Operations</u>			
Address <u>THOMSON multimedia Licensing Inc.</u>			
Address <u>PO Box 5312</u>			
City <u>Princeton</u>		State <u>NJ</u>	ZIP <u>08540</u>
Country <u>US</u>	Telephone <u>609-734-9497</u>		Fax <u>609-734-9700</u>
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>HUGH BOYD</u>		Family Name or Surname	<u>MORRISON</u>
Inventor's Signature <u>Hugh Boyd Morrison</u>		Date <u>5/18/01</u>	
Residence: City <u>INDIANAPOLIS</u>	State <u>IN</u>	Country <u>US</u>	Citizenship <u>US</u>
Mailing Address <u>IN</u>			
Mailing Address <u>7454 Galloway Avenue</u>			
City <u>Indianapolis</u>	State <u>IN</u>	ZIP <u>46250-2500</u>	Country <u>US</u>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>ANTHONY EDWARD</u>		Family Name or Surname	<u>STUART</u>
Inventor's Signature		Date	
Residence: City <u>Indianapolis</u>	State <u>IN</u>	Country <u>US</u>	Citizenship <u>US</u>
Mailing Address			
Mailing Address <u>3162 Normandy Road</u>			
City <u>Indianapolis</u>	State <u>IN</u>	ZIP <u>46222-1375</u>	Country <u>US</u>
<input type="checkbox"/> Additional inventors are being named on _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			



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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)))	<b>Attorney Docket Number</b>	RCA 89186
	<b>First Named Inventor</b>	Anthony Edward Stuart et al.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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Prior Foreign	Foreign Filing Date	Priority	Certified Copy Attached? YES      NO
		<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
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